

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 62-073146

(43)Date of publication of application : 03.04.1987

(51)Int.Cl.

G01N 24/08  
A61B 10/00

(21)Application number : 60-212110

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(22)Date of filing : 27.09.1985

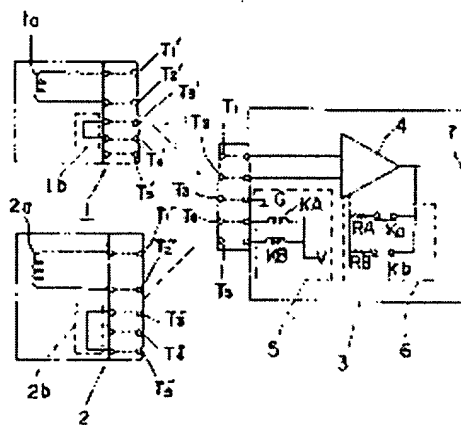
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## (54) MAGNETIC RESONANCE IMAGING APPARATUS

### (57)Abstract:

**PURPOSE:** To adjust the gain of a preamplifier automatically, by correcting the output of the preamplifier by an amplifying means in response to the output of an electric signal identifying means corresponding to the characteristics of respective probe heads.

**CONSTITUTION:** A first probe head 1 is connected to a preamplifier 3. Then, an identifying signal is inputted to a detector circuit 5, and one of relay coils KA is operated. Therefore, a relay contact Ka is closed, and one feedback resistor RA is made to act on an amplifier 4. The amplifier 4 is corrected by the resistor RA, and an output signal, which matches the characteristics of the first probe head 1, is outputted to circuits in a succeeding stage through an output terminal 7. When the operation is switched to a second probe head 2, a feedback resistor RB is made to act on the amplifier 4. The output corresponding to the characteristics of the second probe head 2 is outputted from the terminal 7.



## LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

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[Date of requesting appeal against examiner's  
decision of rejection]

[Date of extinction of right]

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